

# **Point Defiance Bypass Project**

## ***Executive Advisory Group***

**Ron Pate**  
Cascades High Speed  
Rail Program Manager

**July 7, 2011**



**Washington State  
Department of Transportation**

# Traffic Study overview

- Multiple Scenarios
  - 2010 & 2030
  - AM & PM (also mid-day at Berkeley)
  - Build & No-build
  - *Without* Cross Base Hwy & *with* at interchanges near JBLM only
- No unexpected findings
- Minor differences in average delay between build and no-build

### Traffic Analysis Conditions for the Pt. Defiance Bypass Environmental Assessment

					Model/Analysis Scenarios															
					Current Year (2010) Vehicle Traffic Levels								Future Year (2030) Vehicle Traffic Levels without Cross-Base Highway				Future Year (2030) Vehicle Traffic Levels with Cross-Base Highway			
					Existing Infrastructure				Proposed Improvements				Existing Infrastructure				Proposed Improvements			
					Existing Operations (No Action)				Proposed Operations (Proposed Action)				Existing Operations (No Action)				Proposed Operations (Proposed Action)			
Crossing	Jurisdiction	Number of Intersections	Modeling Software	Task Order	No Train Traffic <sup>1</sup>	Sounder Trains Only <sup>1</sup>	Sounder & Amtrak Trains <sup>1</sup>	No Train Traffic <sup>1</sup>	Amtrak Trains Only <sup>1</sup>	No Train Traffic	No Train Traffic	Amtrak Trains Only	No Train Traffic <sup>1</sup>	Sounder Trains Only <sup>1</sup>	Sounder & Amtrak Trains <sup>1</sup>	No Train Traffic <sup>1</sup>	Amtrak Trains Only <sup>1</sup>	No Train Traffic <sup>1</sup>	No Train Traffic <sup>1</sup>	Amtrak Trains Only <sup>1</sup>
Barksdale Ave	DuPont/WSDOT	3	VISSIM	AO	Yes			Yes	Yes				Yes			Yes	Yes	Yes	Yes	Yes
41st Division Drive	JBLM/WSDOT	1	VISSIM	AO	Yes			Yes	Yes				Yes			Yes	Yes	Yes	Yes	Yes
Berkeley Street	Lakewood/WSDOT	3	VISSIM	AO	Yes			Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes
North Thorne Lane	Lakewood/WSDOT	3	VISSIM	AO	Yes			Yes	Yes				Yes			Yes	Yes	Yes	Yes	Yes
Clover Creek Drive	Lakewood	2	Manual	AT	Yes			Yes	Yes				Yes			Yes	Yes			
Bridgeport Way SW	Lakewood/WSDOT	3	VISSIM	AT	Yes				Yes				Yes				Yes	Yes	Yes	Yes
108th Street SW	Lakewood	2	VISSIM	AT		Yes	Yes							Yes	Yes					
100th Street SW	Lakewood	1	VISSIM	AT		Yes	Yes							Yes	Yes					
Steilacoom Blvd. SW	Lakewood	2	VISSIM	AT		Yes	Yes							Yes	Yes					
South 74th Street	Tacoma	1	VISSIM	AT		Yes	Yes							Yes	Yes					
South 60th Street	Tacoma	3	SYNCHRO	AT		Yes	Yes							Yes	Yes					
South 56th Street	Tacoma	5	VISSIM	AT		Yes	Yes							Yes	Yes					
South 50th Street	Tacoma	2	SYNCHRO	AT		Yes	Yes							Yes	Yes					
South 35th Street	Tacoma	2	SYNCHRO	AT		Yes	Yes							Yes	Yes					
South Pine Street	Tacoma	2	VISSIM	AT		Yes	Yes							Yes	Yes					
South Wilkeson Street	Tacoma	2	SYNCHRO	AT		Yes	Yes							Yes	Yes					
South Alaska Street	Tacoma	2	SYNCHRO	AT		Yes	Yes							Yes	Yes					
South Chandler Street	Tacoma	2	SYNCHRO	AT		Yes	Yes							Yes	Yes					
South C Street	Tacoma	2	SYNCHRO	AT		Yes <sup>2</sup>	Yes <sup>2</sup>							Yes <sup>2</sup>	Yes <sup>2</sup>					
East C Street	Tacoma	3	SYNCHRO	AT		Yes <sup>2</sup>	Yes <sup>2</sup>							Yes <sup>2</sup>	Yes <sup>2</sup>					
East D Street	Tacoma	3	SYNCHRO	AT		Yes <sup>2</sup>	Yes <sup>2</sup>							Yes <sup>2</sup>	Yes <sup>2</sup>					

<sup>1</sup> During AM and PM Peak Hours only

<sup>2</sup> Crossing not yet modified or constructed under separate Sound Transit action. Analysis to be performed based on designs for construction currently underway.

# Traffic Memos – Advisory Team review

- Memos provided to the Technical Advisory Group on June 7
- Feedback from Technical group was due July 1
- Received comments from six TAG team members
- Present Traffic and Transportation Discipline report - Oct. 2011
- Facilitated review of potential impacts and mitigation – Oct., Nov. 2011

# Traffic memos – Advisory Team Comments

- All comments will receive a response and will be incorporated into the Traffic and Transportation Discipline Report
- Comment highlights:
  - Questions and clarification of study components
  - Concerns about queue length and available storage
  - Confirmation of freight and passenger train service schedules



# Discipline Reports – Drafts Scheduled

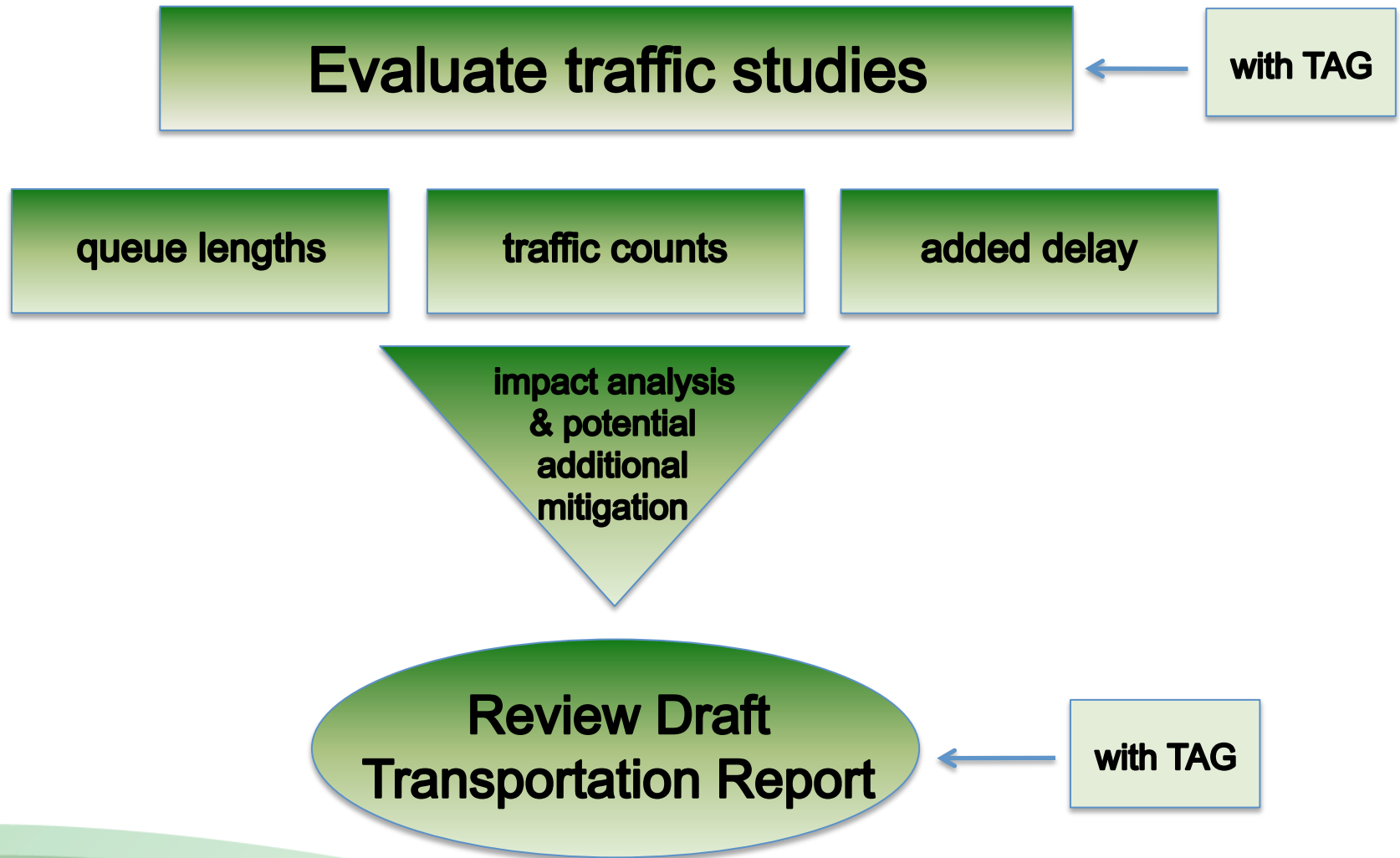
- First-tier Discipline Reports:
  - Transportation - October
  - Noise & Vibration - October
  - Social Elements - November
  - Grade Separation Concept Evaluation - TBD



# What is 'Facilitated Review'

- Materials distributed 10-15 days prior
- Requires in-depth review prior to session
- Half-day or full-day meeting (TAG preference)
- Tightly-scripted agenda

# Traffic Memos – what's next?





# Look ahead schedule – Next 6 Months

Future Meeting Location: DuPont City Hall

- July 7 – Traffic memo discussion
- *August, September & October: No Meetings*
- November 3 – Results of TAG “facilitated review”
- December 1 – Discipline report overviews



**For more information**

**Please contact:**

**Ron Pate**

360-705-7950

*[paterd@wsdot.wa.gov](mailto:paterd@wsdot.wa.gov)*



**Washington State  
Department of Transportation**